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(54) Title: METHOD OF APPLYING THE COATINGS FROM ALUMINIUM ALLOY ON CAST IRON AND STEEL PRODUCTS

(57) Abstract: The invention refers to applying metal, e.g. aluminum, coatings by plunging into the melt and may be used, for instance, for corrosion protection of rolled and other cast iron and steel products. The result in the method of applying the aluminum coatings on cast iron and steel products comprising product surface preparing and consequent plunging the product into the aluminum melt alloyed with zinc and silicon is reached by jet-abrasive preparing of the product and the aluminum melt is alloyed with zinc, silicon, magnesium and tin, while the temperature of the melt is in the range of 660 - 680 C.

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	GB 1440328 A (BETHLEHEM STEEL CORPORATION) 23 June 1976, the claims	1
A	EP 0545049 A1 (S-TEM LIMITED) 09.06.1993, the abstract	1
A	RU 2061085 C1 (BALAKIR EDUARD ANDREEVICH), 27.05.1996, the claims	1
A	SU 1555374 A1 (FRUNZENSKY POLITEKHNICHESKY INSTITUT) 07.04.1990, the claims	1
A	Galvanicheskie pokrytiya v mashinostroenii. Spravochnik. Under editorship M.A.SHLUGERA, Moscow, Mashinostroenie, 1985, volume 1, pages 63-65	1
A	RU 2059010 C1 (BRATSKY ALJUMINIEVY ZAVOD), 27.04.1996, page 2 of the description, paragraphs 3, 4	1
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